

**Amendment to the Claims:**

1. **(Currently Amended)** A method of operating a third generation mobile telecommunications system, in which packets, each having a source address and a destination address in its packet header, are addressed to a mobile node which is a user node having a home network and currently associated with a foreign network and which is communicating with a correspondent node which is another user node and has a correspondent node address, comprising the steps of

setting up a home agent having a home agent address in the home network and allocating a Care of Address for the mobile node;

receiving a packet at the home agent from the correspondent node, the packet having a packet header which includes the correspondent node address as the source address; and

changing a the packet header so that a to change the source address from the correspondent node address to is the home agent address, to change the a destination address is to the Care of Address, and the header further includes to add a correspondent node identifier code, which identifies the correspondent node, and a mobile node identifier code, which identifies the mobile node.

2. **(Original)** A method according to Claim 1 in which the Care of Address is the address of the mobile node.

3. **(Original)** A method according to Claim 1 in which the Care of Address is the address of a foreign agent in the foreign network.

4. **(Original)** A method according to claim 1 in which the packet header is changed by the home agent.

5. **(Previously presented)** A method according to claim 4 comprising the further steps of:

the home agent retaining a record of the correspondent node and

correspondent node identifier codes; and

the home agent sending a copy of said record to the destination address in the Care of Address at which said record is also stored.

6. **(Previously presented)** A method according to Claim 5 in which when a packet arrives at the destination address in the Care of Address, the destination checks the stored record and replaces the correspondent node identifier code in the header with a home address of the correspondent node.

7. **(Previously presented)** A method according to claim 1 comprising the further steps of:

the home agent retaining a record of the mobile node and mobile node identifier code; and

sending a copy of said record to the Care of Address at which said record is also stored.

8. **(Previously presented)** A method according to Claim 7 in which, when the packets arrive at the Care of Address, a foreign agent checks the stored record and replaces the mobile node identifier code in the header with a home address of the mobile node.

9. **(New)** A method of operating a third generation mobile telecommunications system, in which packets are addressed to a mobile node which is a user node currently associated with a foreign network and is communicating with a correspondent node which is another user node, comprising the steps of

setting up a home agent in a home network and allocating a Care of Address for the mobile node;

the home agent changing a packet header so that a source address is a home agent address, a destination address is the Care of Address, and the header further includes a correspondent node identifier code and a mobile node identifier code;

the home agent retaining a record of the correspondent node and

correspondent node identifier codes; and

the home agent sending a copy of said record to the destination address in the Care of Address at which said record is also stored.

**10. (New)** A method according to Claim 9 in which when a packet arrives at the destination address in the Care of Address, the destination checks the stored record and replaces the correspondent node identifier code in the header with a home address of the correspondent node.